

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 6, 1962

Operator El Paso Natural Gas Company	Lease Angel Peak No. 3
Location 1450'N, 1450'E, Sec. 20-27-11	County San Juan State New Mexico
Formation Dakota	Basin Basin
Casing Diameter 4.50" Set At Feet 6566	Tubing Diameter 2.375 Set At Feet 6487
Pay Zone From 6428 To 6512	Total Depth 6566 Shut In 5-30-62
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Choke Size, Inches .75	Flow Constant 12.365
Shut-In Pressure, PSIG 1984	Shut-In Pressure, Tubing 1984
Flowing Pressure, PSIG 571	Working Pressure, Pw 1306
Temperature 86	Flow From Tubing 1.066
.9759	.730 Gravity .9066

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = (12.365)(583)(.9759)(.9066)(1.066)$$

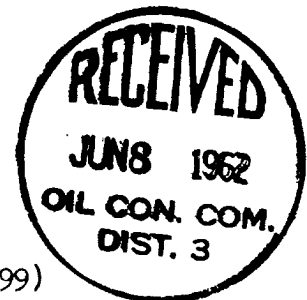
6799 MCF/D

OPEN FLOW $Q = \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$

$$Q = \left(\frac{3,984,016}{2,246,892} \right)^n$$

$$(1.7731)^{.75}(6799) = (1.5360)(6799)$$

Acft **10,443** MCF/D



NOTE: Blew heavy fog of water and distillate throughout test.

TESTED BY **C. R. Wagner**

WITNESSED BY

Checked by **H. L. Kendrick**

Lewis D. Galloway
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